

ABSTRACT OF THE DISCLOSURE

A method for making a laser driver circuit for burst mode is described. A continuous mode laser driver circuit can be used in burst mode transmission system by using the method. The method is described as follows. First, a continuous mode 5 laser driver chip is selected, the chip has a temperature compensation output and a pulse width adjustment input. Next, the temperature compensation signal from the temperature compensation output is converted to a pulse width adjustment signal using an eye diagram adjustment circuit, and the pulse width adjustment signal is sent to the pulse width adjustment input. The pulse width adjustment signal automatically adjusts 10 the cross points of the eye diagram of the laser according to the environmental temperature, so that the cross points are sustained at a predetermined level to reduce the Bit Error Rate.